

U.S. Patent Application No. 10/599,852
Amendment
Response to Office Action dated July 17, 2008

Docket No. 1610-122

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AMENDMENTS TO THE SPECIFICATION

The following amendments to the specification use paragraph numbers taken from the published version of the application.

Please insert the following section header immediately before paragraph [0001]:

FIELD OF THE INVENTION

Please replace paragraph [0001] with the following amended paragraph:

[0001] The present invention concerns a bimetallic thermostat with exchange contacts, with a printed circuit interposed between a sensitive thermostatic element and an exchange relay.

Please insert the following section header immediately before paragraph [0002]:

BACKGROUND OF THE INVENTION

Please insert the following section header immediately before paragraph [0005]:

BRIEF SUMMARY OF THE INVENTION

Please replace paragraph [0006] with the following amended paragraph:

[0006] According to the invention such object is attained with a bimetallic thermostat with exchange contacts, comprising an external support covering and an internal device made up of a pierced base provided with a packing and with electric contacts with the outside, of a relay electrically connected with said base, and of a sensitive thermostatic element electrically connected with said relay, ~~characterized in that it comprises in addition~~ and a printed circuit interposed between the sensing element and the relay.

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Please replace paragraph [0007] with the following amended paragraph.

[0007] The printed circuit ~~has an~~ is easy to make, ~~it~~ is interchangeable and ~~it~~ does not involve the use of filling insulating material in the space comprised between the external covering and the internal device. At the same time it prevents the direct contact between the feet of the sensing element and the electric ~~wires~~ wires of connection of the relay.

Please insert the following section header immediately before paragraph [0008].

DETAILED DESCRIPTION OF THE DRAWINGS

Please replace paragraph [0010] with the following amended paragraph.

[0010] FIG. 2 shows a side sectional view ~~in axial section~~ of the thermostat;

Please insert the following section header immediately before paragraph [0016].

DETAILED DESCRIPTION OF THE INVENTION

Please replace paragraph [0016] with the following amended paragraph.

[0016] A bimetallic thermostat comprises an external covering 1 with male thread 11, which supports an internal device 2 made up of a pierced base 3, provided with a packing 4, which supports electric connection external feet 5, 15, 25, 35, which are connected with a printed circuit insulating plate board 7 by means of electric wires 6.

Please replace paragraph [0017] with the following amended paragraph.

[0017] A relay 8 is fastened to said ~~plate~~ printed circuit 7, with which a sensitive thermostatic element 9 is electrically connected by means of feet 10.

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Please replace paragraph [0018] with the following amended paragraph:

[0018] The ~~plate~~ printed circuit 7 has on one of its faces two slots 12, in order to house the feet 10, and holes 13 for the ends of the wires 6. In addition it has holes 14 for the fastening of the relay 8 and printed circuit routes 16.

Please replace paragraph [0019] with the following amended paragraph

[0019] The ~~plate~~ printed circuit 7 allows to the prevention of interferences between the feet 10 of the sensing element 9 and the wires adjacent the relay 8, a situation which could create the short circuit of the relay or in any case the ~~non~~ incorrect operation of the same relay 8 with consequent wrong output signals through the external feet 5.

Please replace paragraph [0021] with the following amended paragraph:

[0021] In addition any possible technical problem can be solved owing to the easy disassembly: substitution of the relay 8 or sensing element 9, contacts which fail, etc. There is therefore a certain interchangeability of the elements.